STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10517,079 B_

Source: _IFWXX_

Date Processed by STIC: _8/28/06_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
    http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , **EFS Submission User Manual** - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10517,0779B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ___ Wrapped Nucleics / Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 ___ Invalid Line Length — The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 ___ Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 ___ Non-ASCII — The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 ___ Variable Length — Sequence(s) ___ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ___ PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) ___. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 ___ Skipped Sequences (OLD RULES) — Sequence(s) ___ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)　　SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 ___ Skipped Sequences (NEW RULES) — Sequence(s) ___ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 ___ Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 ___ Invalid <213> Response — Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 ___ Use of <220> — Sequence(s) 151-31908 missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See Federal Register, 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 ___ PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ___ Misuse of n/Xaa — "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC – Biotechnology Systems Branch – 09/09/2003

IFWO

RAW SEQUENCE LISTING   DATE: 08/28/2006
PATENT APPLICATION: US/10/517,079B   TIME: 09:10:32

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

  4 <110> APPLICANT: CePeP AB
  6 <120> TITLE OF INVENTION: Cell Penetrating Peptides
  9 <130> FILE REFERENCE: pd53495XX01
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/517,079B
C--> 11 <141> CURRENT FILING DATE: 2004-12-06
 11 <160> NUMBER OF SEQ ID NOS: 31933
 13 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

  2257 <210> SEQ ID NO: 151
  2258 <211> LENGTH: 12
  2259 <212> TYPE: PRT
  2260 <213> ORGANISM: Homo Sapiens
  2262 <220> LOCATION: (405)...(417)
  2263 <223> OTHER INFORMATION: 5H1A_HUMAN
  2264 <400> SEQUENCE: 151
  2265 Lys Asp Phe Gln Asn Ala Phe Lys Lys Ile Ile Lys
  2266 1   5   10
  2270 <210> SEQ ID NO: 152
  2271 <211> LENGTH: 12
  2272 <212> TYPE: PRT
  2273 <213> ORGANISM: Homo Sapiens
  2275 <220> LOCATION: (407)...(419)
  2276 <223> OTHER INFORMATION: 5H1A_HUMAN
  2277 <400> SEQUENCE: 152
  2278 Phe Gln Asn Ala Phe Lys Lys Ile Ile Lys Cys Lys
  2279 1   5   10
  2283 <210> SEQ ID NO: 153
  2284 <211> LENGTH: 12
  2285 <212> TYPE: PRT
  2286 <213> ORGANISM: Homo Sapiens
  2288 <220> LOCATION: (408)...(420)
  2289 <223> OTHER INFORMATION: 5H1A_HUMAN
  2290 <400> SEQUENCE: 153
  2291 Gln Asn Ala Phe Lys Lys Ile Ile Lys Cys Lys Phe
  2292 1   5   10
  2296 <210> SEQ ID NO: 154
  2297 <211> LENGTH: 12
  2298 <212> TYPE: PRT
  2299 <213> ORGANISM: Homo Sapiens
  2301 <220> LOCATION: (69)...(81)

[Handwritten annotations:] Does Not Comply Corrected Diskette Needed (pg. 1-12)

<--- pls insert <220> whenever <221>, <222> or <223> is present!

✓ "present!"

The above errors are seen globally throughout the sequence

See item #11 on error summary sheet.

RAW SEQUENCE LISTING   DATE: 08/28/2006
PATENT APPLICATION: US/10/517,079B   TIME: 09:10:32

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

2302 <223> OTHER INFORMATION: 5H1B_HUMAN
2303 <400> SEQUENCE: 154
2304 Phe Val Ile Ala Thr Val Tyr Arg Thr Arg Lys Leu
2305 1   5   10
2309 <210> SEQ ID NO: 155
2310 <211> LENGTH: 12
2311 <212> TYPE: PRT
2312 <213> ORGANISM: Homo Sapiens
2314 <222> LOCATION: (70)...(82)
2315 <223> OTHER INFORMATION: 5H1B_HUMAN
2316 <400> SEQUENCE: 155
2317 Val Ile Ala Thr Val Tyr Arg Thr Arg Lys Leu His
2318 1   5   10
2322 <210> SEQ ID NO: 156
2323 <211> LENGTH: 12
2324 <212> TYPE: PRT
2325 <213> ORGANISM: Homo Sapiens
2327 <222> LOCATION: (71)...(83)
2328 <223> OTHER INFORMATION: 5H1B_HUMAN
2329 <400> SEQUENCE: 156
2330 Ile Ala Thr Val Tyr Arg Thr Arg Lys Leu His Thr
2331 1   5   10
2335 <210> SEQ ID NO: 157
2336 <211> LENGTH: 12
2337 <212> TYPE: PRT
2338 <213> ORGANISM: Homo Sapiens
2340 <222> LOCATION: (297)...(309)
2341 <223> OTHER INFORMATION: 5H1B_HUMAN
2342 <400> SEQUENCE: 157
2343 Ala Leu Leu Glu Lys Lys Lys Leu Met Ala Ala Arg
2344 1   5   10
2348 <210> SEQ ID NO: 158
2349 <211> LENGTH: 12
2350 <212> TYPE: PRT
2351 <213> ORGANISM: Homo Sapiens
2352 <222> LOCATION: (310)...(322)
2354 <223> OTHER INFORMATION: 5H1B_HUMAN
2355 <400> SEQUENCE: 158
2356 Arg Lys Ala Thr Lys Thr Leu Gly Ile Ile Leu Gly
2357 1   5   10
2361 <210> SEQ ID NO: 159
2362 <211> LENGTH: 12
2363 <212> TYPE: PRT
2364 <213> ORGANISM: Homo Sapiens
2366 <222> LOCATION: (376)...(388)
2367 <223> OTHER INFORMATION: 5H1B_HUMAN
2368 <400> SEQUENCE: 159
2369 Phe Lys Gln Ala Phe His Lys Leu Ile Arg Phe Lys
2370 1   5   10

<< pls insert <2207> whenever <2217>, <2227> or <2237> is present!

See item #11 on error summary sheet!

RAW SEQUENCE LISTING   DATE: 08/28/2006
PATENT APPLICATION: US/10/517,079B   TIME: 09:10:32

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

2374 <210> SEQ ID NO: 160
2375 <211> LENGTH: 12
2376 <212> TYPE: PRT
2377 <213> ORGANISM: Homo Sapiens
2378 <222> LOCATION: (295)...(307)
2380 <223> OTHER INFORMATION: 5H1D_HUMAN
2381 <400> SEQUENCE: 160
2382 Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile
2383 1   5   10
2387 <210> SEQ ID NO: 161
2388 <211> LENGTH: 12
2389 <212> TYPE: PRT
2390 <213> ORGANISM: Homo Sapiens
2392 <222> LOCATION: (297)...(309)
2393 <223> OTHER INFORMATION: 5H1D_HUMAN
2394 <400> SEQUENCE: 161
2395 Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu Gly
2396 1   5   10
2400 <210> SEQ ID NO: 162
2401 <211> LENGTH: 12
2402 <212> TYPE: PRT
2403 <213> ORGANISM: Homo Sapiens
2405 <222> LOCATION: (133)...(145)
2406 <223> OTHER INFORMATION: 5H1E_HUMAN
2407 <400> SEQUENCE: 162
2408 Lys Arg Thr Ala Lys Arg Ala Ala Leu Met Ile Leu
2409 1   5   10
2413 <210> SEQ ID NO: 163
2414 <211> LENGTH: 12
2415 <212> TYPE: PRT
2416 <213> ORGANISM: Homo Sapiens
2418 <222> LOCATION: (287)...(299)
2419 <223> OTHER INFORMATION: 5H1E_HUMAN
2420 <400> SEQUENCE: 163
2421 Arg Lys Ala Ala Arg Ile Leu Gly Leu Ile Leu Gly
2422 1   5   10
2426 <210> SEQ ID NO: 164
2427 <211> LENGTH: 12
2428 <212> TYPE: PRT
2429 <213> ORGANISM: Homo Sapiens
2431 <222> LOCATION: (134)...(146)
2432 <223> OTHER INFORMATION: 5H1F_HUMAN
2433 <400> SEQUENCE: 164
2434 Lys Arg Thr Pro Lys His Ala Gly Ile Met Ile Thr
2435 1   5   10
2439 <210> SEQ ID NO: 165
2440 <211> LENGTH: 12
2441 <212> TYPE: PRT
2442 <213> ORGANISM: Homo Sapiens

Same errors = ↓ ←see item #11 on error Summary Sheet.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/517,079B

DATE: 08/28/2006
TIME: 09:10:32

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

2444 <222> LOCATION: (198)...(210)
2445 <223> OTHER INFORMATION: 5H1F_HUMAN
2446 <400> SEQUENCE: 165
2447 Leu Ile Leu Tyr Tyr Lys Ile Tyr Arg Ala Ala Lys
2448 1   5   10

2452 <210> SEQ ID NO: 166
2453 <211> LENGTH: 12
2454 <212> TYPE: PRT
2455 <213> ORGANISM: Homo Sapiens
2457 <222> LOCATION: (199)...(211)
2458 <223> OTHER INFORMATION: 5H1F_HUMAN
2459 <400> SEQUENCE: 166
2460 Ile Leu Tyr Tyr Lys Ile Tyr Arg Ala Ala Lys Thr
2461 1   5   10

2465 <210> SEQ ID NO: 167
2466 <211> LENGTH: 12
2467 <212> TYPE: PRT
2468 <213> ORGANISM: Homo Sapiens
2470 <222> LOCATION: (200)...(212)
2471 <223> OTHER INFORMATION: 5H1F_HUMAN
2472 <400> SEQUENCE: 167
2473 Leu Tyr Tyr Lys Ile Tyr Arg Ala Ala Lys Thr Leu
2474 1   5   10

2478 <210> SEQ ID NO: 168
2479 <211> LENGTH: 12
2480 <212> TYPE: PRT
2481 <213> ORGANISM: Homo Sapiens
2483 <222> LOCATION: (203)...(215)
2484 <223> OTHER INFORMATION: 5H1F_HUMAN
2485 <400> SEQUENCE: 168
2486 Lys Ile Tyr Arg Ala Ala Lys Thr Leu Tyr His Lys
2487 1   5   10

2491 <210> SEQ ID NO: 169
2492 <211> LENGTH: 12
2493 <212> TYPE: PRT
2494 <213> ORGANISM: Homo Sapiens
2496 <222> LOCATION: (188)...(200)
2497 <223> OTHER INFORMATION: 5H2A_HUMAN
2498 <400> SEQUENCE: 169
2499 Ser Arg Thr Lys Ala Phe Leu Lys Ile Ile Ala Val
2500 1   5   10

2504 <210> SEQ ID NO: 170
2505 <211> LENGTH: 12
2506 <212> TYPE: PRT
2507 <213> ORGANISM: Homo Sapiens
2509 <222> LOCATION: (189)...(201)
2510 <223> OTHER INFORMATION: 5H2A_HUMAN
2511 <400> SEQUENCE: 170
2512 Arg Thr Lys Ala Phe Leu Lys Ile Ile Ala Val Trp

RAW SEQUENCE LISTING   DATE: 08/28/2006
PATENT APPLICATION: US/10/517,079B   TIME: 09:10:32

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

pl s insert, see item #11 on error Summary Sheet.

```
2513 1               5              10
14451 <210> SEQ ID NO: 1089
14452 <211> LENGTH: 9
14453 <212> TYPE: PRT
14454 <213> ORGANISM: Homo Sapiens
14456 <222> LOCATION: ( 305 )...( 317 )
14457 <223> OTHER INFORMATION: O2B6_HUMAN
14458 <400> SEQUENCE: 1089
14459 Val Ala Arg Val Phe Leu Ile Lys Lys          delete (10)
14460 1               5
14464 <210> SEQ ID NO: 1090
14465 <211> LENGTH: 8
14466 <212> TYPE: PRT                    Same error
14467 <213> ORGANISM: Homo Sapiens
14468 <222> LOCATION: ( 306 )...( 318 )
14470 <223> OTHER INFORMATION: O2B6_HUMAN
14471 <400> SEQUENCE: 1090
14472 Ala Arg Val Phe Leu Ile Lys Lys
14473 1               5               (10) delete
14477 <210> SEQ ID NO: 1091
14478 <211> LENGTH: 7
14479 <212> TYPE: PRT
14480 <213> ORGANISM: Homo Sapiens       Same error
14482 <222> LOCATION: ( 307 )...( 319 )
14483 <223> OTHER INFORMATION: O2B6_HUMAN
14484 <400> SEQUENCE: 1091
14485 Arg Val Phe Leu Ile Lys Lys
14486 1               5               (10) delete
35198 <210> SEQ ID NO: 2685
35199 <211> LENGTH: 16
35200 <212> TYPE: PRT
35201 <213> ORGANISM: Homo Sapiens       Same error
35203 <222> LOCATION: ( 334 )...( 350 )
35204 <223> OTHER INFORMATION: 5H1A_HUMAN
35205 <400> SEQUENCE: 2685
35206 Lys Met Ala Leu Ala Arg Glu Arg Lys Thr Val Lys Thr Leu Gly Ile
35207 1               5               10              15
35211 <210> SEQ ID NO: 2686
35212 <211> LENGTH: 16
35213 <212> TYPE: PRT
35214 <213> ORGANISM: Homo Sapiens       Same error
35216 <222> LOCATION: ( 335 )...( 351 )
35217 <223> OTHER INFORMATION: 5H1A_HUMAN
35218 <400> SEQUENCE: 2686
35219 Met Ala Leu Ala Arg Glu Arg Lys Thr Val Lys Thr Leu Gly Ile Ile
35220 1               5               10              15
35224 <210> SEQ ID NO: 2687
35225 <211> LENGTH: 16
35226 <212> TYPE: PRT
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RAW SEQUENCE LISTING   DATE: 08/28/2006
PATENT APPLICATION: US/10/517,079B   TIME: 09:10:33

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

35227 <213> ORGANISM: Homo Sapiens   *same error*
35229 <222> LOCATION: (336)...(352)
35230 <223> OTHER INFORMATION: 5H1A_HUMAN
35231 <400> SEQUENCE: 2687
35232 Ala Leu Ala Arg Glu Arg Lys Thr Val Lys Thr Leu Gly Ile Ile Met
35233 1   5   10   15
35237 <210> SEQ ID NO: 2688
35238 <211> LENGTH: 16
35239 <212> TYPE: PRT   *pls insert <220>*
35240 <213> ORGANISM: Homo Sapiens
35242 <222> LOCATION: (337)...(353)
35243 <223> OTHER INFORMATION: 5H1A_HUMAN
35244 <400> SEQUENCE: 2688
35245 Leu Ala Arg Glu Arg Lys Thr Val Lys Thr Leu Gly Ile Ile Met Gly
35246 1   5   10   15
35250 <210> SEQ ID NO: 2689
35251 <211> LENGTH: 16
35252 <212> TYPE: PRT   *pls insert <220>*
35253 <213> ORGANISM: Homo Sapiens
35255 <222> LOCATION: (290)...(306)
35256 <223> OTHER INFORMATION: 5H1B_HUMAN
35257 <400> SEQUENCE: 2689
35258 Val Lys Val Arg Val Ser Asp Ala Leu Leu Glu Lys Lys Lys Leu Met
35259 1   5   10   15
35263 <210> SEQ ID NO: 2690
35264 <211> LENGTH: 16
35265 <212> TYPE: PRT   *pls insert*
35266 <213> ORGANISM: Homo Sapiens
35268 <222> LOCATION: (291)...(307)
35269 <223> OTHER INFORMATION: 5H1B_HUMAN
35270 <400> SEQUENCE: 2690
35271 Lys Val Arg Val Ser Asp Ala Leu Leu Glu Lys Lys Lys Leu Met Ala
35272 1   5   10   15
35276 <210> SEQ ID NO: 2691
35277 <211> LENGTH: 16
35278 <212> TYPE: PRT   *insert*
35279 <213> ORGANISM: Homo Sapiens
35281 <222> LOCATION: (304)...(320)
35282 <223> OTHER INFORMATION: 5H1B_HUMAN
35283 <400> SEQUENCE: 2691
35284 Leu Met Ala Ala Arg Glu Arg Lys Ala Thr Lys Thr Leu Gly Ile Ile
35285 1   5   10   15
35289 <210> SEQ ID NO: 2692
35290 <211> LENGTH: 16
35291 <212> TYPE: PRT   *insert*
35292 <213> ORGANISM: Homo Sapiens
35294 <222> LOCATION: (305)...(321)
35295 <223> OTHER INFORMATION: 5H1B_HUMAN
35296 <400> SEQUENCE: 2692

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    35297 Met Ala Ala Arg Glu Arg Lys Ala Thr Lys Thr Leu Gly Ile Ile Leu
E--> 35298 1               5               10              15
    35302 <210> SEQ ID NO: 2693
    35303 <211> LENGTH: 16
    35304 <212> TYPE: PRT
    35305 <213> ORGANISM: Homo Sapiens
    35307 <222> LOCATION: ( 308 )...( 324 )
    35308 <223> OTHER INFORMATION: 5H1B_HUMAN
E--> 35309 <400> SEQUENCE: 2693
    35310 Arg Glu Arg Lys Ala Thr Lys Thr Leu Gly Ile Ile Leu Gly Ala Phe
E--> 35311 1               5               10              15
    35315 <210> SEQ ID NO: 2694
    35316 <211> LENGTH: 16
    35317 <212> TYPE: PRT
    35318 <213> ORGANISM: Homo Sapiens
    35320 <222> LOCATION: ( 310 )...( 326 )
    35321 <223> OTHER INFORMATION: 5H1B_HUMAN
E--> 35322 <400> SEQUENCE: 2694
    35323 Arg Lys Ala Thr Lys Thr Leu Gly Ile Ile Leu Gly Ala Phe Ile Val
E--> 35324 1               5               10              15
    35328 <210> SEQ ID NO: 2695
    35329 <211> LENGTH: 16
    35330 <212> TYPE: PRT
    35331 <213> ORGANISM: Homo Sapiens
    35333 <222> LOCATION: ( 291 )...( 307 )
    35334 <223> OTHER INFORMATION: 5H1D_HUMAN
E--> 35335 <400> SEQUENCE: 2695
    35336 Ile Ser Ala Ala Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile
E--> 35337 1               5               10              15
    35341 <210> SEQ ID NO: 2696
    35342 <211> LENGTH: 16
    35343 <212> TYPE: PRT
    35344 <213> ORGANISM: Homo Sapiens
    35346 <222> LOCATION: ( 292 )...( 308 )
    35347 <223> OTHER INFORMATION: 5H1D_HUMAN
E--> 35348 <400> SEQUENCE: 2696
    35349 Ser Ala Ala Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu
E--> 35350 1               5               10              15
    35354 <210> SEQ ID NO: 2697
    35355 <211> LENGTH: 16
    35356 <212> TYPE: PRT
    35357 <213> ORGANISM: Homo Sapiens
    35359 <222> LOCATION: ( 293 )...( 309 )
    35360 <223> OTHER INFORMATION: 5H1D_HUMAN
E--> 35361 <400> SEQUENCE: 2697
    35362 Ala Ala Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu Gly
E--> 35363 1               5               10              15
    35367 <210> SEQ ID NO: 2698
    35368 <211> LENGTH: 16
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same errors (handwritten annotation)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/517,079B

DATE: 08/28/2006
TIME: 09:10:33

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

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      35369 <212> TYPE: PRT
      35370 <213> ORGANISM: Homo Sapiens
      35372 <222> LOCATION: ( 294 )...( 310 )
      35373 <223> OTHER INFORMATION: 5H1D_HUMAN
E-->  35374 <400> SEQUENCE: 2698
      35375 Ala Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu Gly Ala
                           5              10             15
E-->  35376 1
      35380 <210> SEQ ID NO: 2699
      35381 <211> LENGTH: 16
      35382 <212> TYPE: PRT
      35383 <213> ORGANISM: Homo Sapiens
      35385 <222> LOCATION: ( 295 )...( 311 )
      35386 <223> OTHER INFORMATION: 5H1D_HUMAN
E-->  35387 <400> SEQUENCE: 2699
      35388 Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu Gly Ala Phe
                           5              10             15
E-->  35389 1
      35393 <210> SEQ ID NO: 2700
      35394 <211> LENGTH: 16
      35395 <212> TYPE: PRT
      35396 <213> ORGANISM: Homo Sapiens
      35398 <222> LOCATION: ( 297 )...( 313 )
      35399 <223> OTHER INFORMATION: 5H1D_HUMAN
E-->  35400 <400> SEQUENCE: 2700
      35401 Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu Gly Ala Phe Ile Ile
                           5              10             15
E-->  35402 1
      35406 <210> SEQ ID NO: 2701
      35407 <211> LENGTH: 16
      35408 <212> TYPE: PRT
      35409 <213> ORGANISM: Homo Sapiens
      35411 <222> LOCATION: ( 133 )...( 149 )
      35412 <223> OTHER INFORMATION: 5H1E_HUMAN
E-->  35413 <400> SEQUENCE: 2701
      35414 Lys Arg Thr Ala Lys Arg Ala Ala Leu Met Ile Leu Thr Val Trp Thr
                           5              10             15
E-->  35415 1
      48536 <210> SEQ ID NO: 3711
      48537 <211> LENGTH: 13
      48538 <212> TYPE: PRT
      48539 <213> ORGANISM: Homo Sapiens
      48541 <222> LOCATION: ( 476 )...( 492 )
      48542 <223> OTHER INFORMATION: HH1R_HUMAN
E-->  48543 <400> SEQUENCE: 3711
      48544 Lys Lys Thr Phe Lys Arg Ile Leu His Ile Arg Ser
                           5              10
E-->  48545 1
     440249 <210> SEQ ID NO: 31872
     440250 <211> LENGTH: 8
     440251 <212> TYPE: PRT
     440252 <213> ORGANISM: Rattus norvegicus
W--> 440253 <220> FEATURE: Xaa
W--> 440254 <221> NAME/KEY: Nor-(N-met)Valine
```

same errors (handwritten)

15 delete (handwritten)

delete (handwritten)

```
        440255 <222> LOCATION: ( 1 )...( 8 )
        440256 <223> OTHER INFORMATION: >GOP7
        440258 <400> SEQUENCE: 31872
W-->    440259 Ile Xaa Ile Ala Lys Leu Lys Ala
E-->    440260 1                    5
        440264 <210> SEQ ID NO: 31873
        440265 <211> LENGTH: 8
        440266 <212> TYPE: PRT
        440267 <213> ORGANISM: Rattus norvegicus
W-->    440268 <220> FEATURE: all-N-Me
        440269 <222> LOCATION: ( 1 )...( 8 )
        440270 <223> OTHER INFORMATION: >GOP8
        440272 <400> SEQUENCE: 31873
        440273 Ile Ala Leu Leu Asn Met Glu Val Ile Ala
E-->    440274 1           5           8  10
        440278 <210> SEQ ID NO: 31874
        440279 <211> LENGTH: 5
        440280 <212> TYPE: PRT
        440281 <213> ORGANISM: Artificial
W-->    440282 <220> FEATURE: Xaa
W-->    440283 <221> NAME/KEY: Orn
        440284 <222> LOCATION: ( 1 )...( 5 )
        440285 <223> OTHER INFORMATION: >GOP9
        440287 <400> SEQUENCE: 31874
W-->    440288 Ile Val Xaa  Lys Ala
E-->    440289 1            5
        440335 <210> SEQ ID NO: 31878
        440336 <211> LENGTH: 8
        440337 <212> TYPE: PRT
        440338 <213> ORGANISM: Rattus norvegicus
W-->    440340 <220> FEATURE: Xaa
W-->    440341 <221> NAME/KEY: N-methyl alanine
        440342 <222> LOCATION: ( 1 )...( 8 )
        440343 <223> OTHER INFORMATION: >GOP13
        440345 <400> SEQUENCE: 31878
W-->    440346 Ile Val Ile Xaa Lys Leu Lys Ala
E-->    440347 1           5
        440351 <210> SEQ ID NO: 31879
        440352 <211> LENGTH: 8
        440353 <212> TYPE: PRT
        440354 <213> ORGANISM: Rattus norvegicus
W-->    440356 <220> FEATURE: Xaa
W-->    440357 <221> NAME/KEY: N-methyl alanine
        440358 <222> LOCATION: ( 1 )...( 8 )
        440359 <223> OTHER INFORMATION: >GOP14
        440361 <400> SEQUENCE: 31879
W-->    440362 Ile Val Ile Ala Lys Leu Lys Xaa
E-->    440363 1           5           10          15
        440367 <210> SEQ ID NO: 31880
```

(handwritten annotations:) delete · delete (10, 15) · delete (all-N-Me) · delete (10, 15) · Pls explain source of genetic material. See item #11 on error summary sheet! · what is this? (>GOP9) · delete (Xaa) · delete (10, 15) · delete (Xaa) · delete (10 15)

RAW SEQUENCE LISTING   DATE: 08/28/2006
PATENT APPLICATION: US/10/517,079B   TIME: 09:10:57

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

```
        440366 <211> LENGTH: 8
        440369 <212> TYPE: PRT
        440370 <213> ORGANISM: Rattus norvegicus
W-->    440372 <220> FEATURE: Xaa          delete
W-->    440373 <221> NAME/KEY: Aib
        440374 <222> LOCATION: ( 1 )...( 8 )
        440375 <223> OTHER INFORMATION: >GOP15
        440377 <400> SEQUENCE: 31880
W-->    440378 Ile Val Ile Xaa Lys Leu Lys Ala
E-->    440379 1                 5
        440411 <210> SEQ ID NO: 31883
        440412 <211> LENGTH: 8
        440413 <212> TYPE: PRT
        440414 <213> ORGANISM: Rattus norvegicus
W-->    440416 <220> FEATURE: Xaa, Xaa, Xaa      delete
W-->    440417 <221> NAME/KEY: Nva, Nle, Citruline
        440418 <222> LOCATION: ( 1 )...( 8 )
        440419 <223> OTHER INFORMATION: >GOP18
        440421 <400> SEQUENCE: 31883
W-->    440422 Ile Xaa Ile Ala Lys Xaa Xaa Ala
E-->    440423 1                 5
        440427 <210> SEQ ID NO: 31884
        440428 <211> LENGTH: 8
        440429 <212> TYPE: PRT
        440430 <213> ORGANISM: Rattus norvegicus
W-->    440432 <220> FEATURE: Xaa          delete
W-->    440433 <221> NAME/KEY: U-methyl Tyrosine
        440434 <222> LOCATION: ( 1 )...( 8 )
        440435 <223> OTHER INFORMATION: >GOP25
        440437 <400> SEQUENCE: 31884
W-->    440438 Ile Xaa Ile Ala Lys Leu Lys Ala
E-->    440439 1                 5
        440443 <210> SEQ ID NO: 31885
        440444 <211> LENGTH: 8
        440445 <212> TYPE: PRT
        440446 <213> ORGANISM: Rattus norvegicus
W-->    440447 <220> FEATURE: Xaa          delete
W-->    440448 <221> NAME/KEY: Citruline
        440449 <222> LOCATION: ( 1 )...( 8 )
        440450 <223> OTHER INFORMATION: >GOP26
        440452 <400> SEQUENCE: 31885
W-->    440453 Ile Val Ile Ala Xaa Leu Lys Ala
E-->    440454 1                 5
        440570 <210> SEQ ID NO: 31894
        440571 <211> LENGTH: 7
        440572 <212> TYPE: PRT
        440573 <213> ORGANISM: artificial    See item #11 on error summary sheet.
W-->    440575 <220> FEATURE: Xaa, Xaa, peptide   delete
W-->    440576 <221> NAME/KEY: Citruline, p-Fluoro phenyl alanine
```

RAW SEQUENCE LISTING   DATE: 08/28/2006
PATENT APPLICATION: US/10/517,079   TIME: 09:10:57

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

```
     440577 <222> LOCATION: ( 1 )...( 7 )
     440578 <223> OTHER INFORMATION: >M511 Analogue 5
     440580 <400> SEQUENCE: 31894
W--> 440581 Xaa Xaa Phe Xaa Xaa Xaa Ile
E--> 440582 1                  5                  10                 15
     440586 <210> SEQ ID NO: 31895
     440587 <211> LENGTH: 8
     440588 <212> TYPE: PRT
     440589 <213> ORGANISM: artificial
W--> 440591 <220> FEATURE: Xaa, Xaa, peptide
W--> 440592 <221> NAME/KEY: Citruline, p-fluoro phenyl alanine
     440593 <222> LOCATION: ( 1 )...( 8 )
     440594 <223> OTHER INFORMATION: >M511 Analogue 6
     440596 <400> SEQUENCE: 31895
W--> 440597 Xaa Xaa Xaa Ile Xaa Ile Ile Xaa
E--> 440598 1                  5                  10                 15
     440602 <210> SEQ ID NO: 31896
     440603 <211> LENGTH: 8
     440604 <212> TYPE: PRT
     440605 <213> ORGANISM: artificial
W--> 440607 <220> FEATURE: Xaa, Xaa, peptide
W--> 440608 <221> NAME/KEY: Citruline, p-fluoro phenyl alanine
     440609 <222> LOCATION: ( 1 )...( 8 )
     440610 <223> OTHER INFORMATION: >M511 Analogue 7
     440612 <400> SEQUENCE: 31896
W--> 440613 Phe Xaa Xaa Xaa Ile Xaa Ile Ile
E--> 440614 1                  5                  10                 15
     440618 <210> SEQ ID NO: 31897
     440619 <211> LENGTH: 8
     440620 <212> TYPE: PRT
     440621 <213> ORGANISM: artificial
W--> 440623 <220> FEATURE: Xaa, Xaa, peptide
W--> 440624 <221> NAME/KEY: Citruline, p-fluoro phenyl alanine
     440625 <222> LOCATION: ( 1 )...( 8 )
     440626 <223> OTHER INFORMATION: >M511 Analogue 8
     440628 <400> SEQUENCE: 31897
W--> 440629 Xaa Xaa Phe Xaa Xaa Xaa Ile Xaa
E--> 440630 1                  5                  10                 15
     440653 <210> SEQ ID NO: 31900
     440654 <211> LENGTH: 28
     440655 <212> TYPE: PRT
     440656 <213> ORGANISM: Mus musculus
     440658 <222> LOCATION: ( 1 )...( 28 )
     440659 <223> OTHER INFORMATION: >mouse PrpC (1-28)
E--> 440661 <400> SEQUENCE: 31900
     440662
Met Ala Asn Leu Gly Tyr Trp Leu Leu Ala Leu Phe Val Thr Met Trp Thr Asp Val Gly Leu
E--> 440663 Cys Lys Lys Arg Pro Lys Pro
E--> 440664 1                  5                  10                 15
     440668 <210> SEQ ID NO: 31901
```

file://C:\CRF4\Outhold\VsrJ517079B.htm   8/28/2006

[Handwritten annotations: "Invalid Response — delete", "See item #11 on error summary sheet", "Invalid Response — delete", "Same errors (as the above)"]

RAW SEQUENCE LISTING   DATE: 08/28/2006
PATENT APPLICATION: US/10/517,079B   TIME: 09:10:57

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

```
440669 <211> LENGTH: 28      pls insert
440670 <212> TYPE: PRT
440671 <213> ORGANISM: Homo sapiens
440673 <222> LOCATION: ( 1 )...( 28 )
440674 <223> OTHER INFORMATION: >human PrpC(1-28)
440676 <400> SEQUENCE: 31901                OK
440677
Met Ala Asn Leu Gly Cys Trp Met Leu Val Leu Phe Val Ala Thr Trp Ser Asp Leu Gly Leu
E--> 440678 Cys Lys Lys Arg Pro Lys Pro
E--> 440679 1            5            10            15
440683 <210> SEQ ID NO: 31902
440684 <211> LENGTH: 30
440685 <212> TYPE: PRT
440686 <213> ORGANISM: Bos taurus     pls insert
440688 <222> LOCATION: ( 1 )...( 30 )
440689 <223> OTHER INFORMATION: >bovine PrpC (1-30)
440691 <400> SEQUENCE: 31902                OK
440692
Met Val Lys Ser Lys Ile Gly Ser Trp Ile Leu Val Leu Phe Val Ala Met Trp Ser Asp Val Gly
E--> 440693 Leu Cys Lys Lys Arg Pro Lys Pro
E--> 440694 1            5            10            15
440754 <210> SEQ ID NO: 31907
440755 <211> LENGTH: 25
440756 <212> TYPE: PRT               pls insert
440757 <213> ORGANISM: Homo sapiens
440758 <222> LOCATION: ( 1 )...( 25 )
440760 <223> OTHER INFORMATION: >PS-7 (86-110)
440762 <400> SEQUENCE: 31907                OK
440763
Lys Val His Ile Met Leu Phe Val Pro Val Thr Leu Cys Met Ile Val Val Val Ala Thr Ile Lys
E--> 440764 Ser Val Arg
E--> 440765 1            5            10            15
440828 <210> SEQ ID NO: 31912
440829 <211> LENGTH: 23
440830 <212> TYPE: PRT
440831 <213> ORGANISM: artificial
W--> 440833 <220> FEATURE: peptide
440834 <222> LOCATION: ( 1 )...( 23 )
440835 <223> OTHER INFORMATION: >YTA-2ps
440837 <400> SEQUENCE: 31912
440838
Ser Gly Glu Ser Leu Ala Tyr Tyr Thr Ala Ile Ala Trp Val Lys Ala Phe Ile Arg Lys Leu Arg
E--> 440839 Lys
E--> 440840 1            5            10            15
```

See item #1 on error summary sheet.

See item #1 on error summary sheet.

Same error

Same error

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/28/2006
PATENT APPLICATION: US/10/517,079B   TIME: 09:10:58

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:31859; Line(s) 440086
Seq#:31861; Line(s) 440114
Seq#:31900; Line(s) 440662
Seq#:31901; Line(s) 440677
Seq#:31902; Line(s) 440692
Seq#:31907; Line(s) 440763
Seq#:31909; Line(s) 440793
Seq#:31912; Line(s) 440838

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:31871,31874,31889,31894,31895,31896,31897,31899,31909,31910,31911,31912
Seq#:31913,31914,31915,31916,31917,31918,31919,31920,31921,31922,31923,31924
Seq#:31925,31926,31927,31928,31929,31930,31931,31932,31933

VERIFICATION SUMMARY   DATE: 08/28/2006
PATENT APPLICATION: US/10/517,079B   TIME: 09:10:58

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:2253 M:283 W: Missing Blank Line separator, <400> field identifier
L:2254 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (150) SEQUENCE:
L:2264 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:151
L:2264 M:283 W: Missing Blank Line separator, <400> field identifier
L:2277 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:152
L:2277 M:283 W: Missing Blank Line separator, <400> field identifier
L:2290 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:153
L:2290 M:283 W: Missing Blank Line separator, <400> field identifier
L:2303 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:154
L:2303 M:283 W: Missing Blank Line separator, <400> field identifier
L:2316 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:155
L:2316 M:283 W: Missing Blank Line separator, <400> field identifier
L:2329 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:156
L:2329 M:283 W: Missing Blank Line separator, <400> field identifier
L:2342 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:157
L:2342 M:283 W: Missing Blank Line separator, <400> field identifier
L:2355 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:158
L:2355 M:283 W: Missing Blank Line separator, <400> field identifier
L:2368 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:159
L:2368 M:283 W: Missing Blank Line separator, <400> field identifier
L:2381 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:160
L:2381 M:283 W: Missing Blank Line separator, <400> field identifier
L:2394 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:161
L:2394 M:283 W: Missing Blank Line separator, <400> field identifier
L:2407 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:162
L:2407 M:283 W: Missing Blank Line separator, <400> field identifier
L:2420 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:163
L:2420 M:283 W: Missing Blank Line separator, <400> field identifier
L:2433 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:164
L:2433 M:283 W: Missing Blank Line separator, <400> field identifier
L:2446 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:165
L:2446 M:283 W: Missing Blank Line separator, <400> field identifier
L:2459 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:166
L:2459 M:283 W: Missing Blank Line separator, <400> field identifier
L:2472 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:167
L:2472 M:283 W: Missing Blank Line separator, <400> field identifier
L:2485 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:168
L:2485 M:283 W: Missing Blank Line separator, <400> field identifier
L:2498 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:169
L:2498 M:283 W: Missing Blank Line separator, <400> field identifier
L:2511 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:170
L:2511 M:283 W: Missing Blank Line separator, <400> field identifier
L:2524 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:171
L:2524 M:283 W: Missing Blank Line separator, <400> field identifier
L:2537 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:172
L:2537 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY   DATE: 08/28/2006
PATENT APPLICATION: US/10/517,079B   TIME: 09:10:58

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

L:2550 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:173
L:2550 M:283 W: Missing Blank Line separator, <400> field identifier
L:2563 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:174
L:2563 M:283 W: Missing Blank Line separator, <400> field identifier
L:2576 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:175
L:2576 M:283 W: Missing Blank Line separator, <400> field identifier
L:2589 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:176
L:2589 M:283 W: Missing Blank Line separator, <400> field identifier
L:2602 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:177
L:2602 M:283 W: Missing Blank Line separator, <400> field identifier
L:2615 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:178
L:2615 M:283 W: Missing Blank Line separator, <400> field identifier
L:2628 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:179
L:2628 M:283 W: Missing Blank Line separator, <400> field identifier
L:2641 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:180
L:2641 M:283 W: Missing Blank Line separator, <400> field identifier
L:2654 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:181
L:2654 M:283 W: Missing Blank Line separator, <400> field identifier
L:2667 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:182
L:2667 M:283 W: Missing Blank Line separator, <400> field identifier
L:2680 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:183
L:2680 M:283 W: Missing Blank Line separator, <400> field identifier
L:2693 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:184
L:2693 M:283 W: Missing Blank Line separator, <400> field identifier
L:2706 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:185
L:2706 M:283 W: Missing Blank Line separator, <400> field identifier
L:2719 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:186
L:2719 M:283 W: Missing Blank Line separator, <400> field identifier
L:2732 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:187
L:2732 M:283 W: Missing Blank Line separator, <400> field identifier
L:2745 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:188
L:2745 M:283 W: Missing Blank Line separator, <400> field identifier
L:2758 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:189
L:2758 M:283 W: Missing Blank Line separator, <400> field identifier
L:2771 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:190
L:2771 M:283 W: Missing Blank Line separator, <400> field identifier
L:2784 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:191
L:2784 M:283 W: Missing Blank Line separator, <400> field identifier
L:2797 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:192
L:2797 M:283 W: Missing Blank Line separator, <400> field identifier
L:2810 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:193
L:2810 M:283 W: Missing Blank Line separator, <400> field identifier
L:2823 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:194
L:2823 M:283 W: Missing Blank Line separator, <400> field identifier
L:2836 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:195
L:2836 M:283 W: Missing Blank Line separator, <400> field identifier
L:2849 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:196
L:2849 M:283 W: Missing Blank Line separator, <400> field identifier
L:2862 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:197

VERIFICATION SUMMARY   DATE: 08/28/2006
PATENT APPLICATION: US/10/517,079B   TIME: 09:10:58

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

```
L:2862 M:283 W: Missing Blank Line Separator, <400> field identifier
L:2875 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:198
L:2875 M:283 W: Missing Blank Line Separator, <400> field identifier
L:2888 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:199
L:2888 M:283 W: Missing Blank Line Separator, <400> field identifier
L:2901 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:200
L:14460 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1089
L:14473 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1090
L:14486 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1091
L:35207 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2685
L:35220 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2686
L:35233 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2687
L:35246 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2688
L:35259 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2689
L:35272 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2690
L:35285 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2691
L:35298 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2692
L:35311 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2693
L:35324 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2694
L:35337 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2695
L:35350 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2696
L:35363 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2697
L:35376 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2698
L:35389 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2699
L:35402 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2700
L:35415 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2701
L:35428 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2702
L:35441 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2703
L:35454 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2704
L:35467 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2705
L:35480 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2706
L:35493 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2707
L:35506 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2708
L:35519 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2709
L:35532 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2710
L:35545 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2711
L:35558 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2712
L:35571 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2713
L:35584 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2714
L:35597 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2715
L:35610 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2716
L:35623 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2717
L:35636 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2718
L:35649 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2719
L:35662 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2720
L:35675 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2721
L:35688 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2722
L:35701 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2723
L:35714 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2724
```

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

```
L:35727 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2725
L:35740 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2726
L:35753 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2727
L:35766 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2728
L:35779 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2729
L:35792 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2730
L:35805 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2731
L:48545 M:252 E: No. of Seq. differs, <211> LENGTH:Input:13 Found:12 SEQ:3711
L:439822 M:300 W: (50) Intentionally skipped Sequence, Sequence Id (31840) SEQUENCE:
L:440162 M:300 W: (50) Intentionally skipped Sequence, Sequence Id (31865) SEQUENCE:
L:440239 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440253 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440254 M:257 W: Feature value misspelled or invalid, <221> Name/Key for SEQ ID:31872
L:440259 M:341 W: (46) "n" or "Xaa" used for SEQ ID#:31872 after pos.:0
L:440268 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440274 M:252 E: No. of Seq. differs, <211> LENGTH:Input:8 Found:10 SEQ:31873
L:440282 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440283 M:257 W: Feature value misspelled or invalid, <221> Name/Key for SEQ ID#:31874
L:440288 M:341 W: (46) "n" or "Xaa" used for SEQ ID#:31874 after pos.:0
L:440340 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440341 M:257 W: Feature value misspelled or invalid, <221> Name/Key for SEQ ID#:31878
L:440346 M:341 W: (46) "n" or "Xaa" used for SEQ ID#:31878 after pos.:0
L:440356 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440357 M:257 W: Feature value misspelled or invalid, <221> Name/Key for SEQ ID#:31879
L:440362 M:341 W: (46) "n" or "Xaa" used for SEQ ID#:31879 after pos.:0
L:440372 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440373 M:257 W: Feature value misspelled or invalid, <221> Name/Key for SEQ ID#:31880
L:440378 M:341 W: (46) "n" or "Xaa" used for SEQ ID#:31880 after pos.:0
L:440416 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440417 M:257 W: Feature value misspelled or invalid, <221> Name/Key for SEQ ID#:31883
L:440422 M:341 W: (46) "n" or "Xaa" used for SEQ ID#:31883 after pos.:0
L:440432 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440433 M:257 W: Feature value misspelled or invalid, <221> Name/Key for SEQ ID#:31884
L:440438 M:341 W: (46) "n" or "Xaa" used for SEQ ID#:31884 after pos.:0
L:440447 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440448 M:257 W: Feature value misspelled or invalid, <221> Name/Key for SEQ ID#:31885
L:440453 M:341 W: (46) "n" or "Xaa" used for SEQ ID#:31885 after pos.:0
L:440504 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440575 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440576 M:257 W: Feature value misspelled or invalid, <221> Name/Key for SEQ ID#:31894
L:440581 M:341 W: (46) "n" or "Xaa" used for SEQ ID#:31894 after pos.:0
L:440591 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440592 M:257 W: Feature value misspelled or invalid, <221> Name/Key for SEQ ID#:31895
L:440597 M:341 W: (46) "n" or "Xaa" used for SEQ ID#:31895 after pos.:0
L:440607 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440608 M:257 W: Feature value misspelled or invalid, <221> Name/Key for SEQ ID#:31896
L:440613 M:341 W: (46) "n" or "Xaa" used for SEQ ID#:31896 after pos.:0
L:440623 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440624 M:257 W: Feature value misspelled or invalid, <221> Name/Key for SEQ ID#:31897
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VERIFICATION SUMMARY
PATENT APPLICATION: US/10/517,079

DATE: 08/28/2006
TIME: 09:10:59

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

L:440629 M:341 W: (46) "n" or "Xaa" used for SEQ ID#:31897 after pos.:0
L:440635 M:300 W: (50) Intentionally skipped Sequence, Sequence Id (31898) SEQUENCE:
L:440643 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440788 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440803 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440818 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440833 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440849 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440864 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440879 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440894 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440909 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440924 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440939 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440954 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440969 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440984 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440999 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441014 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441029 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441044 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441059 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441074 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441089 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441104 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441119 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441134 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441149 M:256 W: Invalid Numeric Header Field, <220> has non-blank data